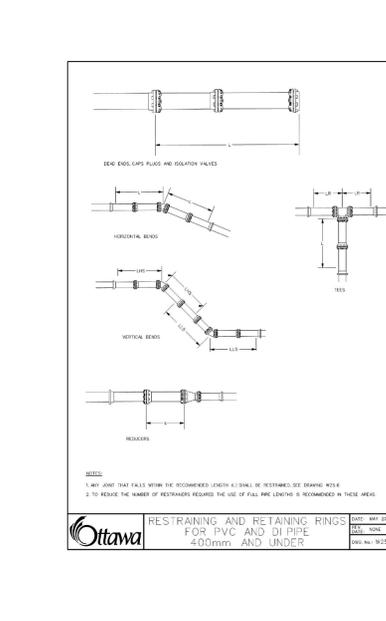
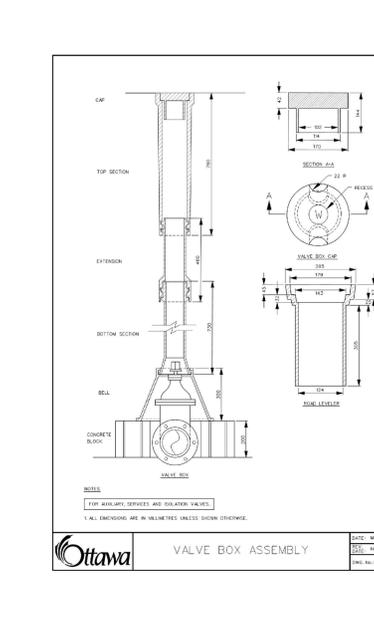
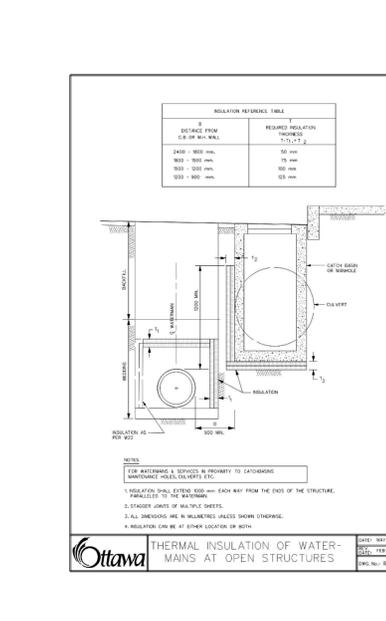
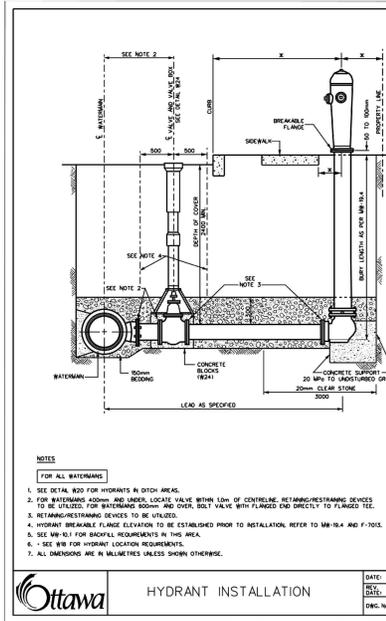
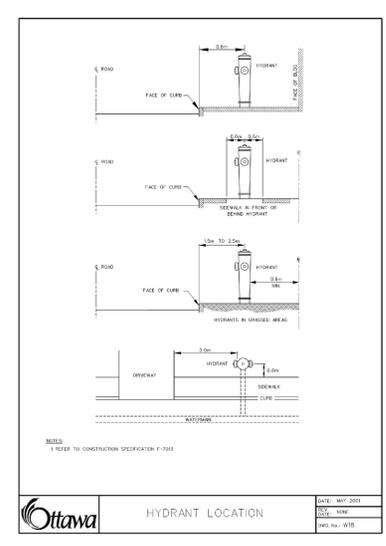
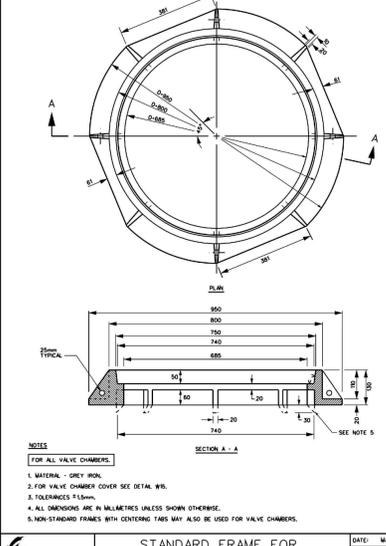
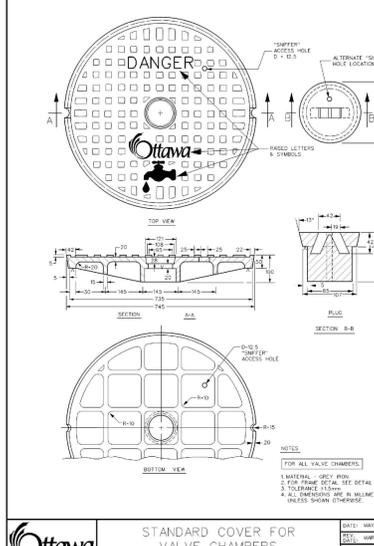
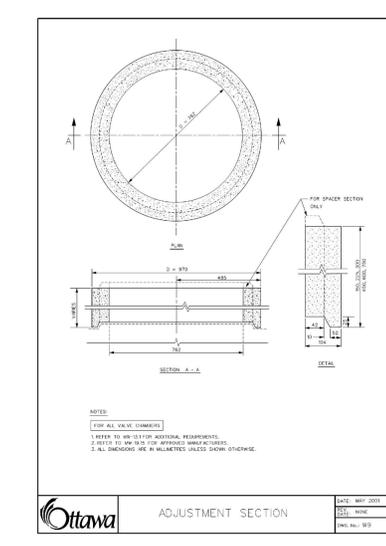
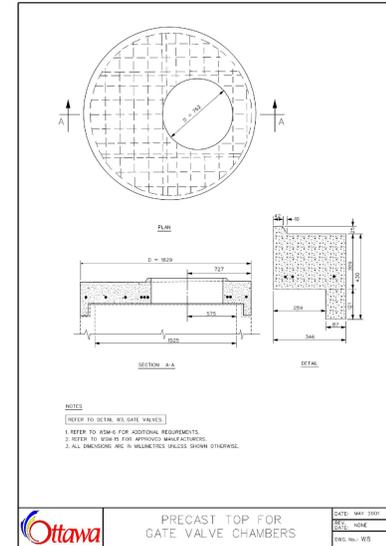
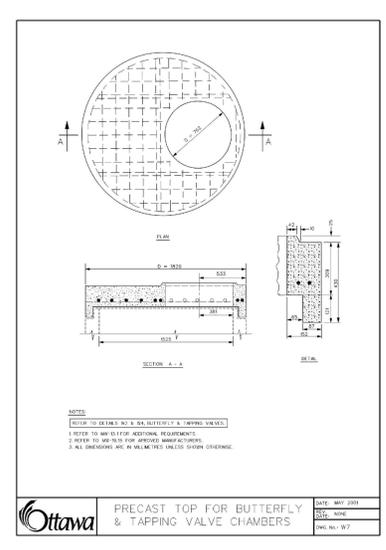
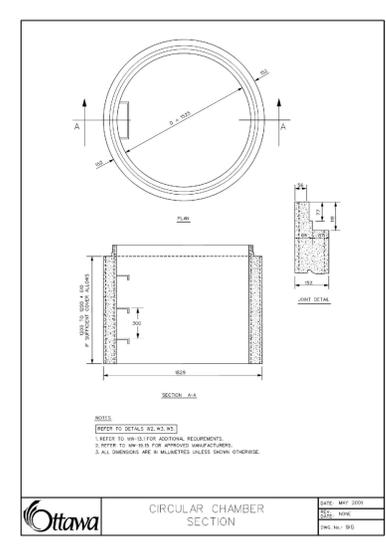
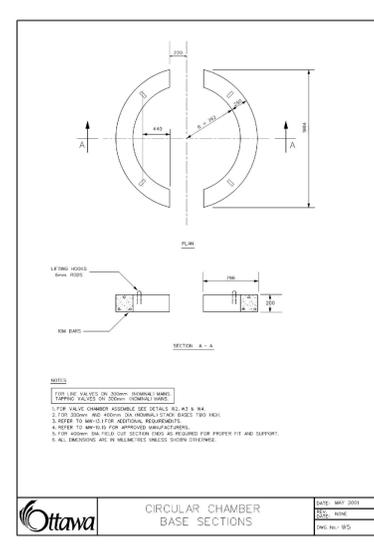
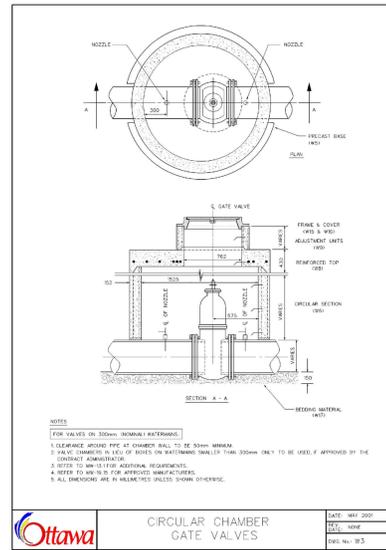
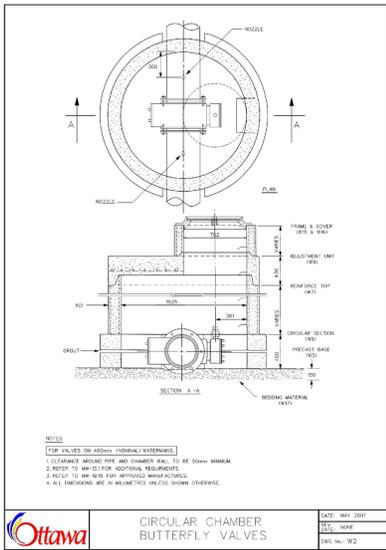


LEGEND

- LINE TYPES**
- EXISTING WATERMAIN
 - EXISTING SANITARY SEWER
 - GAS LINE
 - A/G BELL TELEPHONE SERVICE
 - A/G HIGH VOLTAGE ELECTRICAL
 - U/G ELECTRICAL SERVICE
 - GUARD RAIL
- NEW WATERMAIN

SYMBOLS

- BH GEOTECH BOREHOLE
- TP GEOTECH TEST PIT
- SMH SANITARY MANHOLE
- DMH STORM MANHOLE
- BOLLARD
- NAIL
- BHP BELL-HYDRO POLE
- HP HYDRO POLE
- H NEW HYDRANT
- VB NEW VALVE BOX
- VC NEW VALVE CHAMBER
- NC NEW CAP
- SMH NEW SANITARY MANHOLE



TABLES OF RESTRAINED LENGTHS FOR SOIL BEHIND CHAMBER OF 300 TO 300mm

TABLE 1: SOIL DESCRIPTION VERY FINE SANDS SANDY CLAYS CLASS

CHAMBER SIZE IN METRES	300mm	350mm	400mm	450mm	500mm
DEAD END CAPS, PLUG VALVES	0.0	0.0	0.0	0.0	0.0
REDUCERS	0.0	0.0	0.0	0.0	0.0
SMALLER DIAMETER	0.0	0.0	0.0	0.0	0.0
200mm	N/A	0.0	0.0	0.0	0.0
150mm	N/A	0.0	0.0	0.0	0.0
100mm	N/A	0.0	0.0	0.0	0.0
75mm	N/A	0.0	0.0	0.0	0.0
50mm	N/A	0.0	0.0	0.0	0.0

TABLE 2: SOIL DESCRIPTION SANDS, SANDY SILTS AND SILTY SANDS

CHAMBER SIZE IN METRES	300mm	350mm	400mm	450mm	500mm
DEAD END CAPS, PLUG VALVES	0.0	0.0	0.0	0.0	0.0
REDUCERS	0.0	0.0	0.0	0.0	0.0
SMALLER DIAMETER	0.0	0.0	0.0	0.0	0.0
200mm	N/A	0.0	0.0	0.0	0.0
150mm	N/A	0.0	0.0	0.0	0.0
100mm	N/A	0.0	0.0	0.0	0.0
75mm	N/A	0.0	0.0	0.0	0.0
50mm	N/A	0.0	0.0	0.0	0.0

TABLE 3: SOIL DESCRIPTION SANDS, SILTS AND CLAYS

CHAMBER SIZE IN METRES	300mm	350mm	400mm	450mm	500mm
DEAD END CAPS, PLUG VALVES	0.0	0.0	0.0	0.0	0.0
REDUCERS	0.0	0.0	0.0	0.0	0.0
SMALLER DIAMETER	0.0	0.0	0.0	0.0	0.0
200mm	N/A	0.0	0.0	0.0	0.0
150mm	N/A	0.0	0.0	0.0	0.0
100mm	N/A	0.0	0.0	0.0	0.0
75mm	N/A	0.0	0.0	0.0	0.0
50mm	N/A	0.0	0.0	0.0	0.0

DATE: MAY 2007
DESIGNER: W12

NO.	DESCRIPTION	DATE
3	100% ISSUED FOR TENDER	30/01/15
2	99% REVIEW	12/12/14
1	66% SUBMISSION	17/01/14

revisions	description	date
A	detail no. du detail	
B	location drawing no. sur dessin no.	
C	drawing no. dessin no.	

project: 1426 ST-JOSEPH BLVD. WATERMAIN RECONSTRUCTION

OTTAWA, ONTARIO
drawing: TYPICAL DETAILS
dessin:

designed	J. MAYDA	conçu
date	2015/01/30	(yyyy/mm/dd)
drawn	G. FATTOUCHE	dessiné
date	2015/01/30	(yyyy/mm/dd)
reviewed	J. MAYDA	examiné
date	2015/01/30	(yyyy/mm/dd)
approved	J. MAYDA	approuvé
date	(yyyy/mm/dd)	
tender	D. MOIR	Soumission
Project Manager	2015/01/30	Administrateur de projets
project no.	R.020045.006	no. du projet
drawing no.	C-14	no. du dessin

